
ADSL Bridge/Router SMC7003ADSL

Read Me First

User's Manual

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Revision Status:

Model number	Rev.	Date	Change
SMC7003ADSL	1.0	February 2001	Preliminary

INTRODUCTION

The SMC7003ADSL provides unrivaled asymmetric high-speed data transport over a single copper pair. Its very rich feature set includes an easy to use Setup Wizard, DHCP support, a firewall for network protection and VPN capabilities for reduced cost of remote access communications.

PACKING LIST

1. SMC7003ADSL Bridge/Router
2. DSL Cable (RJ-11, *green cable*)
3. Ethernet Cable (RJ-45, *yellow cable*)
4. USB Cable (*grey cable*)
5. Power Cord
6. AC Power Adapter
7. CD with the GUI software and USB Drivers
8. User's Manual

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CHAPTER 1 - PRODUCT DESCRIPTION

1.1 Minimum PC Requirements

- ✓ A PC with an installed 10BaseT Ethernet card or USB interface.
- ✓ TCP/IP network protocol installed on the PC.
- ✓ Windows 95 (USB port may have some compatibility issues), Windows 98, Windows 2000, Windows NT 4.0 (no support for USB) or Windows Me.
- ✓ For Ethernet connectivity to our system, you can use any Operating System with the TCP/IP protocol such as Linux, Mac, OS2 etc.

1.2 Physical Descriptions

The SMC7003ADSL is a compact, light-weight communications device with the following dimensions:

- ▶ Height : 1.5"
- ▶ Width : 8"
- ▶ Depth : 6"
- ▶ Weight : 1.5 lbs
- ▶ Color : Off White

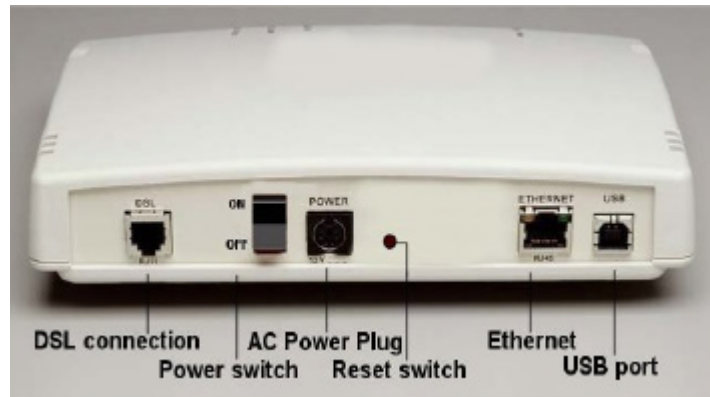
1.3 Front Status Indicators



The Front panel includes four status indicators as shown in the table below:

LEDs	COLOR	EXPLANATION
POWER	<i>Green</i> (solid)	It will illuminate as soon as the device is powered ON and will remain on till the device is turned OFF.
SYNC	<i>Green</i> (solid)	It illuminates to indicate successful connection to the Network.
ALARM	<i>Red</i> (solid)	It indicates the device encountering an error.
ATM ACT	<i>Green</i> (solid/blinking)	The ATM Activity LED shows data traffic. During normal operation, it should be blinking.

1.4 Rear Panel



	EXPLANATION
DSL	RJ-11 port for DSL connection (cable provided).
POWER SWITCH	Permits the device to be turned ON/OFF.
POWER OUTLET	A receptacle for the AC Power Adapter.
RESET SWITCH	To return the device to factory settings.
ETHERNET	Allows the SMC7003ADSL to establish a connection either to a hub or directly to a PC and requires a RJ-45 cable (provided). It has 2 LEDs. The Link LED (<i>green</i>) remains solid when connected to an active Ethernet port. The Activity LED (<i>yellow</i>) will blink when there is traffic.
USB	Allows a direct connection to a PC for greater flexibility and simultaneous sharing of local resources and the ADSL line (cable provided).

1.5 Parameters From Service Provider

Depending on Service Providers, automatic configuration or the following parameters may be provided by the Service Provider (ISP) for configuring the PC or Router.

Example shown below:

▶ IP Address	10 . 10 . 12 . 102
▶ Subnet Mask Address	255 . 255 . 255 . 0
▶ Gateway Address	10 . 10 . 12 . 1
▶ DNS Server Address	202 . 23 . 3 . 75
▶ Domain Address	10 . 10 . 12 . 40
▶ vci value (default: vci=35)	35
▶ vpi value (default: vpi=0)	0

WORKSHEET

PLEASE HAVE THIS INFORMATION BEFORE YOU PROCEED:

- | | |
|-------------------------------|---------------------------|
| ▶ IP Address | ____ . ____ . ____ . ____ |
| ▶ Subnet Mask Address | ____ . ____ . ____ . ____ |
| ▶ Gateway Address | ____ . ____ . ____ . ____ |
| ▶ DNS Server Address | ____ . ____ . ____ . ____ |
| ▶ Domain Address | ____ . ____ . ____ . ____ |
| ▶ vci value (default: vci=35) | ____ |
| ▶ vpi value (default: vpi=0) | ____ |

NOTE:

- ✓ If vci/vpi values are the same as the default, you do not need to make any changes in the Bridge Mode.
- ✓ Extra copy of this page is provided on the last page of this manual.

1.6 Default Settings

SYSTEM MODULE

- ▶ ip-address : 10.0.0.1
- ▶ subnet-mask : 255.255.255.0
- ▶ user name : admin
- ▶ password : password (minimum 4 alphabetic characters)
- ▶ language : english

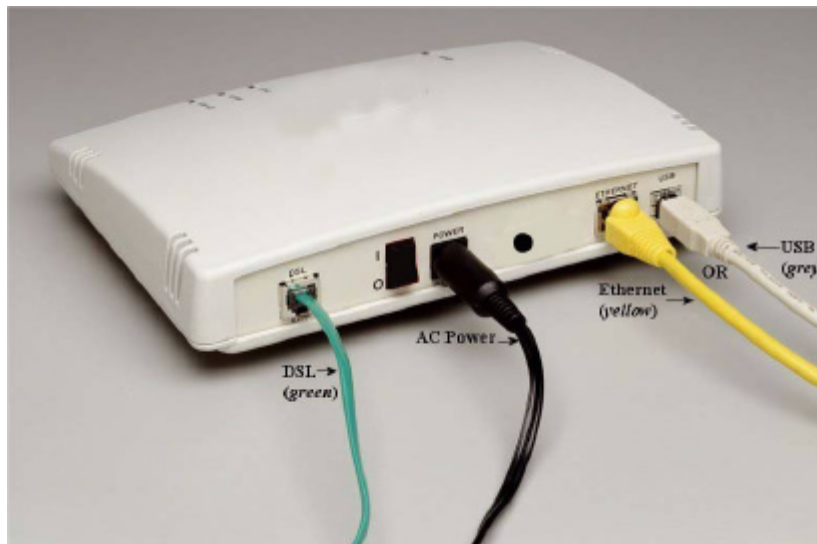
ATM MODULE

- ▶ vc-no : 0
- ▶ vpi : 0
- ▶ vci : 35
- ▶ vc-type : ATM_PVC
- ▶ encap type : LLC_MUX
- ▶ encap protocol : RFC1483 (BRIDGED)

CHAPTER 2 - INSTALLATION

2.1 Hardware Installation Procedures

The following steps are recommended to complete the SMC7003ADSL installation and setup procedures.



Cable connections to the Rear Panel of the SMC7003ADSL.

2.1.1 ETHERNET CONNECTION

1. Check if the Ethernet card and the TCP/IP are installed on the PC before beginning installation. **(If the TCP/IP protocol is not installed, go to Appendix B for the installation procedures).**
2. Connect the Ethernet cable (*yellow*) from the SMC7003ADSL's Ethernet port to the Ethernet port of the PC.
3. Connect the DSL cable (*green*) in to the DSL wall jack and the other end in to receptacle marked "DSL RJ-11" on the back of the device.
4. Connect the AC Power Adapter to the AC wall output and connect the round cable end to the "Power" receptacle on the back of the device.
5. Connect the AC Power Adapter to the AC wall output and connect the round cable end to the "Power" receptacle on the back of the SMC7003ADSL.
6. Turn ON the unit by using the ON/OFF switch in the back of the device to the ON position. You must have a steady (*green*) Power LED. The Sync LED will be a blinking (*green*) LED initially and will become steady (*green*) once the connection is established.

2.1.2 USB CONNECTION

1. Connect the DSL cable (*green*) in to the DSL wall jack and the other end in to receptacle marked “DSL RJ-11” on the back of the SMC7003ADSL.
2. Connect the Power cord to the AC Power Adapter.
3. Connect the AC Power Adapter to the AC wall output and connect the round cable end to the “Power” receptacle on the back of the device.
4. Turn ON the SMC7003ADSL by using the ON/OFF switch in the back of the device to the ON position. You must have a steady (*green*) Power LED. The Sync LED will be a blinking (*green*) LED initially and will become steady (*green*) once the connection is established.
5. Locate the USB port of the PC. It is marked with the typical USB symbol.



6. Plug the square side of the USB cable's one end (*grey cable*) in to the SMC7003ADSL device's USB port and the other flat long end to the USB port of the PC. (If the PC is running, it will automatically detect the USB port Driver).

NOTE: ✓ Windows NT 4.0 does not support USB.

✓ USB port may have some compatibility issues with Windows 95.

7. Follow instructions on how to load the USB driver for the SMC7003ADSL (**USB Installation - Section I. How to install the USB Driver**).

2.2 Connecting the PC to the SMC7003ADSL

2.2.1 ETHERNET CONNECTION (Windows 95/98 & Windows Me style dialog box shown as an example)

A. Configuration of the PC for the GUI:

1. Follow Steps 1 through 5 as shown on the next page and restart the PC.
2. In Step 5, the **IP address** needs to be of the same class as the SMC7003ADSL. For example: The IP address should be 10.0.0.2 if the default IP address of the unit is 10.0.0.1.
3. The **Subnet Mask** should be 255.255.255.0.

B. If the SMC7003ADSL is configured as a Bridge:

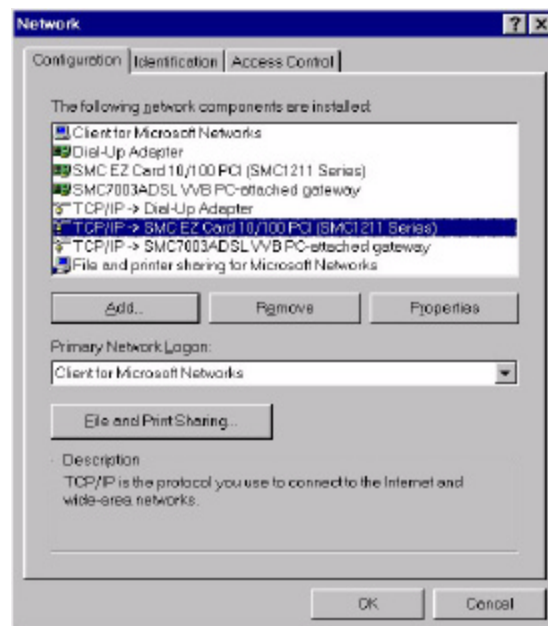
1. Follow Steps 1 through 14 as shown on the next page using the ISP parameters from the worksheet.

C. If the SMC7003ADSL is configured as a Router:

1. Follow Steps 1 through 4 as shown on the next page.
2. In Step 5, select **Obtain an IP Address Automatically**.
3. Continue to Step 6.
4. In Step 7, the **Gateway Address** is the LAN IP Address of the unit. By default, it is 10.0.0.1.

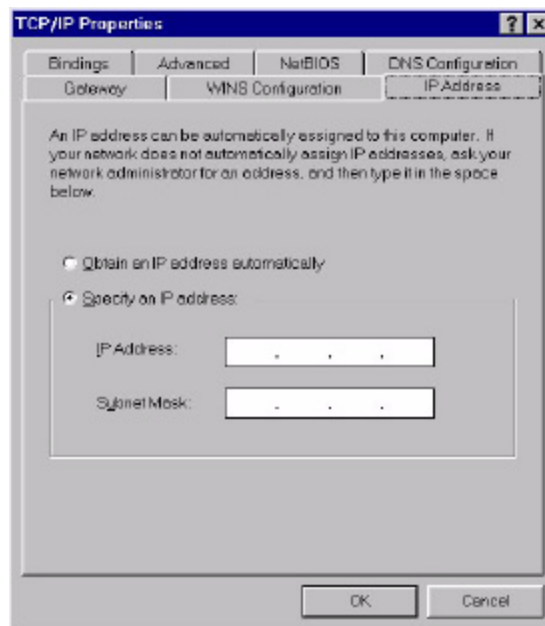
Chapter 2 - Installation

1. Click **Start** on the Task Bar of the PC, select **Settings** and select **Control Panel**.
2. Double-click the **Network** icon.
3. In the **Configuration** window, select the **TCP/IP Protocol** associated with the installed Ethernet card.



Chapter 2 - Installation

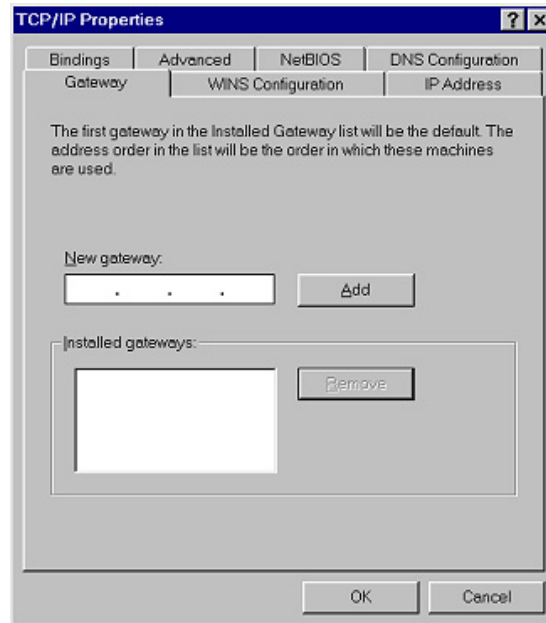
4. Click the **Properties** button and select **IP Address** tab.
5. Select **Specify an IP Address** and fill in the fields with the **IP Address** and **Subnet Mask** from the work sheet.



6. Continue the settings by clicking the **Gateway** tab.

Chapter 2 - Installation

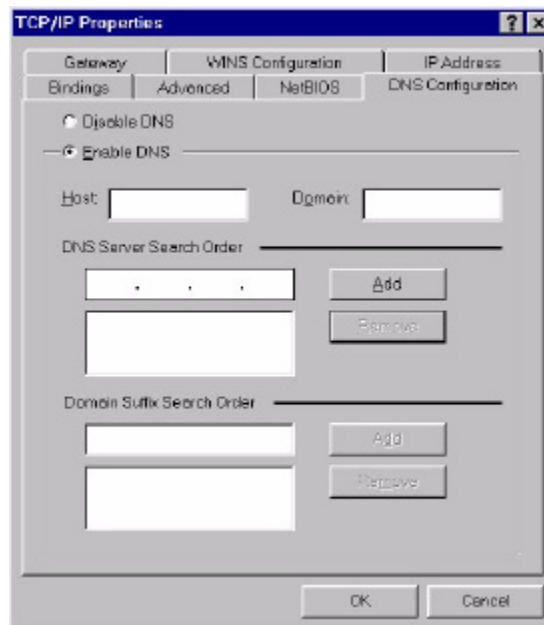
7. Enter the **Gateway IP Address** from the work sheet.
8. Click **Add**.



9. Click the **DNS Configuration** tab to continue with the settings.

Chapter 2 - Installation

10. Click **Enable DNS**.
11. Enter **Host** name and **Domain** name from the work sheet.
12. Under the **DNS Server Search Order**, enter the **DNS Server IP Address** as entered in the work sheet.
13. Click **Add**.



14. Click **OK** and follow instructions to restart the PC.

2.2.2 USB INSTALLATION (Windows 95/98 and Windows Me style dialog box shown as an example)

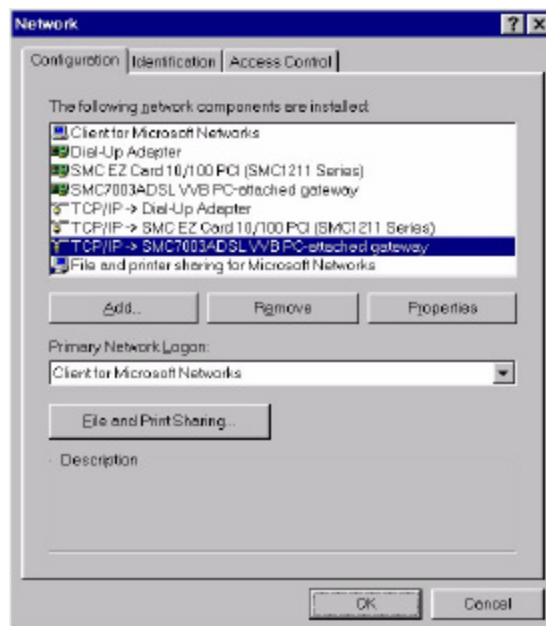
NOTE: ✓ USB port may have some compatibility issues with Windows95.

2.2.2.1 How To Install The USB Driver

1. If the PC is running, the Wizard will begin a search for USB drivers. If the Wizard is unable to find the driver, it will ask the user to decide the location. (If the PC finds the driver, go directly to Configuring the PC for the USB.
2. If the PC cannot find the USB driver hardware, go to **Start**, select **Settings** and **Control Panel** and double-click on **Add New Hardware**. Click **Next**.
3. Under 'Is the device that you want to install listed below?' choose **No, the device isn't in the list**. Click **Next**.
4. In 'Do you want Windows to search for new hardware?' choose **Yes (Recommended)**. Click **Next**.
5. Select the option **Search for best driver for your device (Recommended)** and click **Next**.
6. Select **CD Drives** and click **Next**. The PC will begin loading the first USB driver which is **vvususb.sys**. A window shows the USB driver loading.
7. Click **Finish** and the Wizard window will show that it has detected another driver **SMC7003ADSL vv PC-attached gateway**. Click **Next**.
8. Select the **CD Drives** and click **Next**. The PC will begin loading the second USB driver which is **vvbeth.sys**. A window shows the USB driver loading.
9. Click **Finish** and **restart** the PC to bring the new configurations into effect.
10. **On Windows 2000, all the steps are the same till step 8. The PC does not require to be restarted.**

2.2.2.2 Configuring The PC For The USB

1. Click **Start** on the Task Bar of the PC, select **Settings** and **Control Panel**.
2. Double-click the **Network** icon.
3. From the Configuration window, select the TCP/IP protocol which shows TCP/IP
⇒ **SMC7003ADSL VVB PC-attached gateway**.



4. Follow Step 4 through Step 14 from the Ethernet Connection to complete the setup.

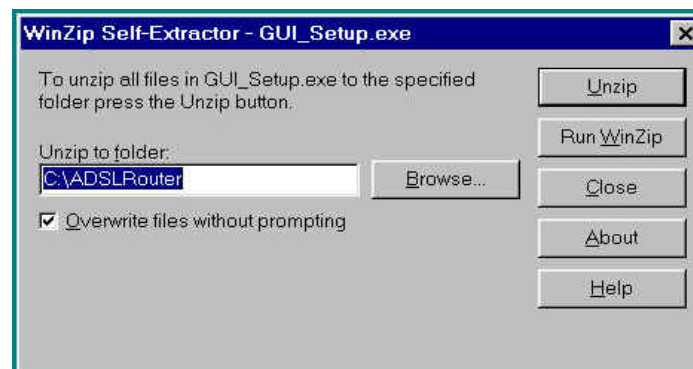
CHAPTER 3 - CONFIGURATION

3.1 GUI Installation

The following procedures are recommended to configure the SMC7003ADSL through the GUI.

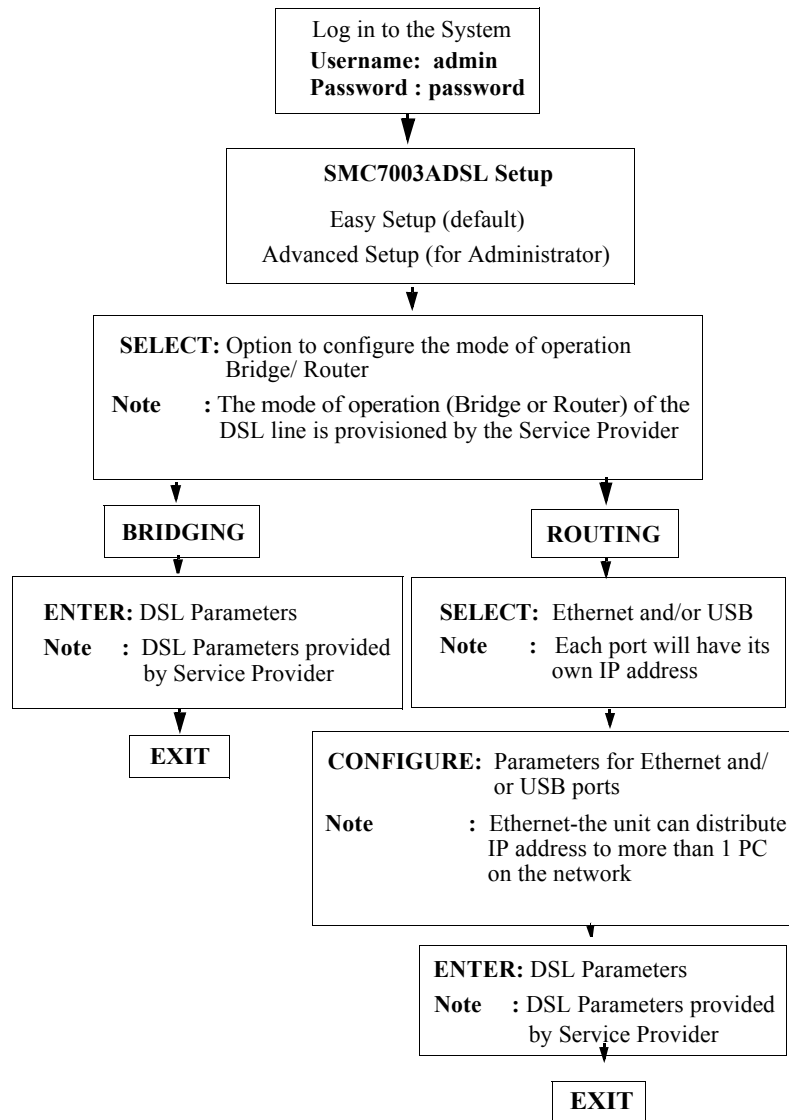
Before you begin, you need to install the GUI software from the 3 1/2" Floppy Diskette provided in the package.

1. Insert the Floppy Diskette with the GUI in to the PC 3 1/2" Floppy drive.
2. Double-click the file “**GUI_Setup**”.
3. Click “**Unzip**”. The program will automatically extract all the GUI files to a new directory called ‘**ADSLRouter**’ on the C drive.

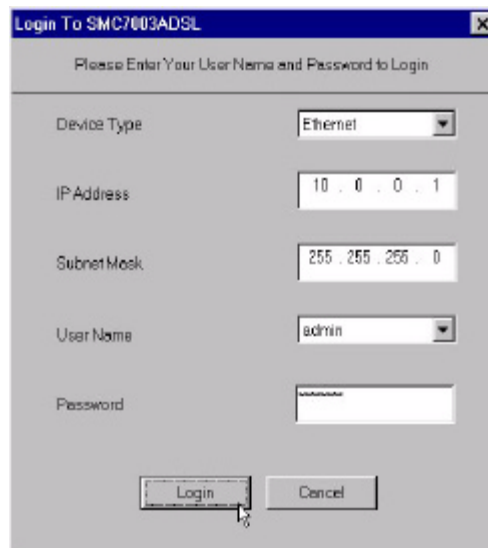


4. After the files are unzipped, click “**Ok**” and select “**Close**” to terminate the Winzip Application.
5. Open the directory “**ADSLRouter**” in the C Drive.
6. Double-click on the executable file “**ADSLRouter**” to begin accessing the GUI.

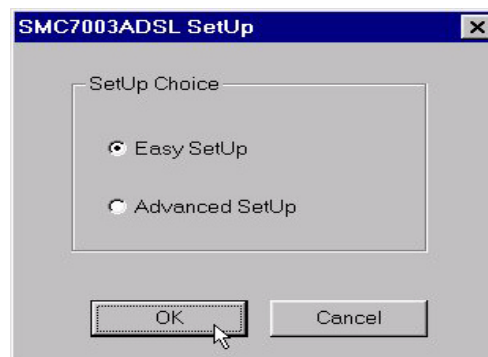
3.2 Easy Setup Flow Chart



3.3 Login Screen

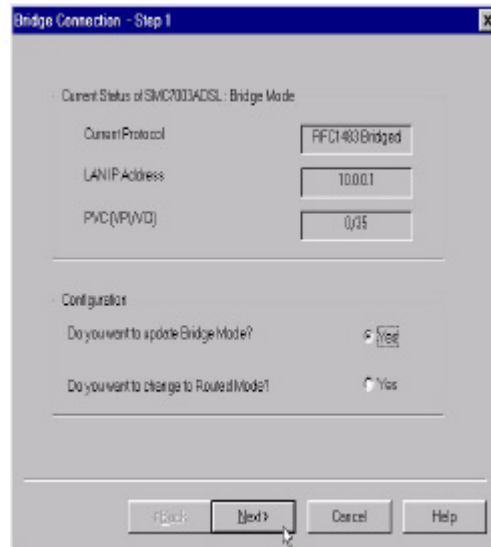
A Windows-style dialog box titled "Login To SMC7003ADSL". It contains a message "Please Enter Your User Name and Password to Login". Below the message are five fields: "Device Type" (a dropdown menu showing "Ethernet"), "IP Address" (a text box with "10 . 0 . 0 . 1"), "Subnet Mask" (a text box with "255 . 255 . 255 . 0"), "User Name" (a dropdown menu showing "admin"), and "Password" (a text box with masked characters). At the bottom are "Login" and "Cancel" buttons. A mouse cursor is pointing at the "Login" button.

- The Device Type is **Ethernet**.
- Choose **admin** under the User Name and enter the password as **password**.
- Click **Login**.

A Windows-style dialog box titled "SMC7003ADSL SetUp". It contains a section titled "SetUp Choice" with two radio button options: "Easy SetUp" (which is selected) and "Advanced SetUp". At the bottom are "OK" and "Cancel" buttons. A mouse cursor is pointing at the "OK" button.

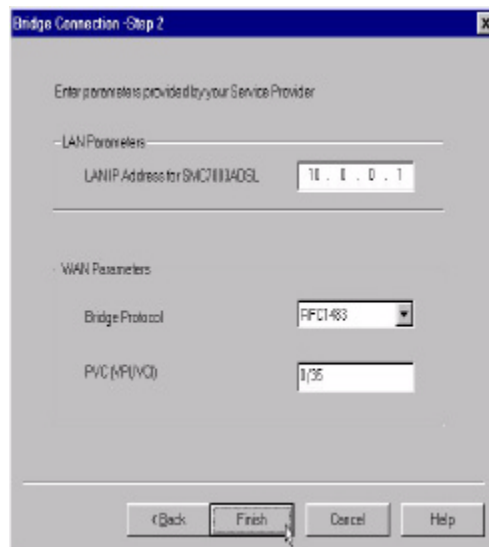
- The default choice is **Easy Setup**.
- Click **OK**.

3.4 Bridge Mode Configuration



The 'Bridge Connection - Step 1' dialog box displays the current status of the SMC7003ADSL as Bridge Mode. It shows the Current Protocol as RFC1483 Bridged, LAN IP Address as 10.0.0.1, and PVC (VP/VQ) as 0/35. Under the Configuration section, there are two options: 'Do you want to update Bridge Mode?' with a 'Yes' radio button selected, and 'Do you want to change to Route Mode?' with a 'No' radio button. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'. A mouse cursor is pointing at the 'Next >' button.

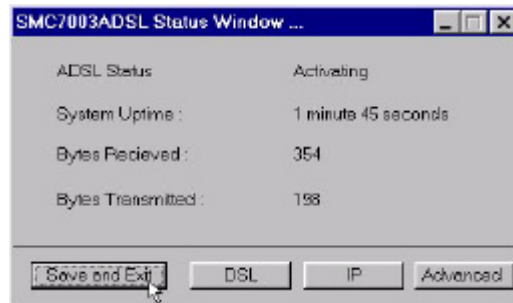
- Click on **Cancel** to exit the GUI.
- Select **Yes** in 'Do you want to update the Bridge Mode?'.
- Click **Next** to change current Bridge configuration.



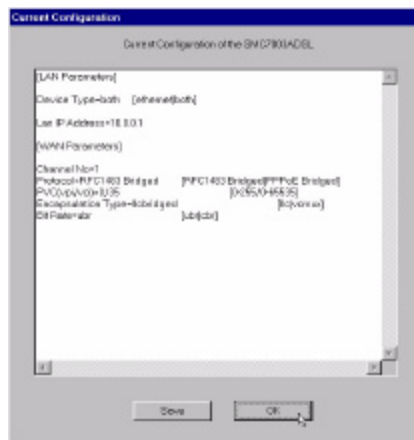
The 'Bridge Connection - Step 2' dialog box prompts the user to enter parameters provided by their service provider. It is divided into two sections: LAN Parameters and WAN Parameters. Under LAN Parameters, the LAN IP Address for SMC7003ADSL is shown as 10.0.0.1. Under WAN Parameters, the Bridge Protocol is set to RFC1483 and the PVC (VP/VQ) is 0/35. At the bottom, there are four buttons: '< Back', 'Finish', 'Cancel', and 'Help'. A mouse cursor is pointing at the 'Finish' button.

- Enter the **LAN IP address** (shown is the default LAN IP address of the SMC7003ADSL).
- Enter the **DSL Parameters** in the WAN Parameters boxes entered from the work sheet.
- Click on **Finish** to end the configuration.

Chapter 3 - Configuration

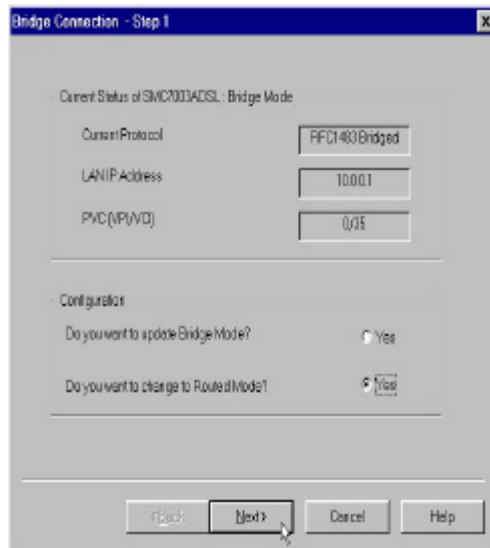


- The SMC7003ADSL Status Window will appear as shown above.
- Select **DSL** or **IP** to view the current statistics.
- Or select **Advanced** to make further changes in the configuration.
- Select **Save and Exit** to exit the GUI.



- The Current Configuration Window will appear as shown above.
- Select **Save** to save the current details in a configuration file.
- Or select **OK** to save and exit the GUI without saving the current configuration details in a file for viewing later.

3.5 Router Mode Configuration



The 'Bridge Connection - Step 1' dialog box shows the current status of the SMC7003ADSL device in Bridge Mode. It includes fields for 'Current Protocol' (RFC1483 Bridged), 'LAN IP Address' (10.0.0.1), and 'PVC (VP/VID)' (0/25). Below these, the 'Configuration' section has two radio buttons: 'Do you want to update Bridge Mode?' (selected) and 'Do you want to change to Routed Mode?'. At the bottom are 'Back', 'Next', 'Cancel', and 'Help' buttons.

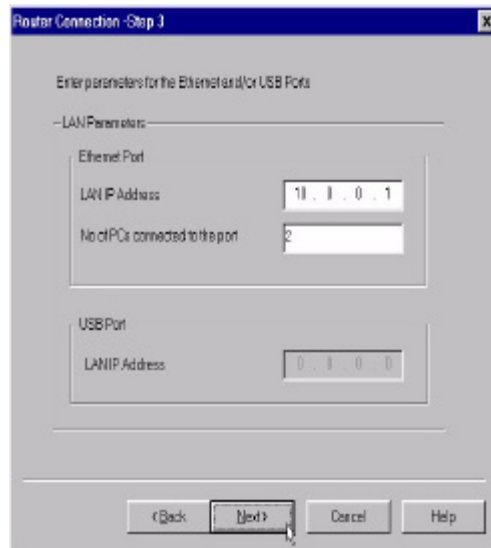
- The default settings of the device is **RFC1483 Bridged**.
- If you do not want to make any further changes, select **Cancel**.
- If you want to make changes, in 'Do you want to change to Routed Mode?', choose **Yes**.
- Click **Next**.



The 'Router Connection - Step 2' dialog box shows the 'Device Type' section. It asks to 'Select the ports to be used' with two radio buttons: 'Ethernet' (selected) and 'Ethernet and USB'. At the bottom are 'Back', 'Next', 'Cancel', and 'Help' buttons.

- Choose the Device Type i.e: **Ethernet or Ethernet and USB**.
- Click **Next**.

Chapter 3 - Configuration



Router Connection - Step 3

Enter parameters for the Ethernet and/or USB Ports

LAN Parameters

Ethernet Port

LAN IP Address: 10.0.0.1

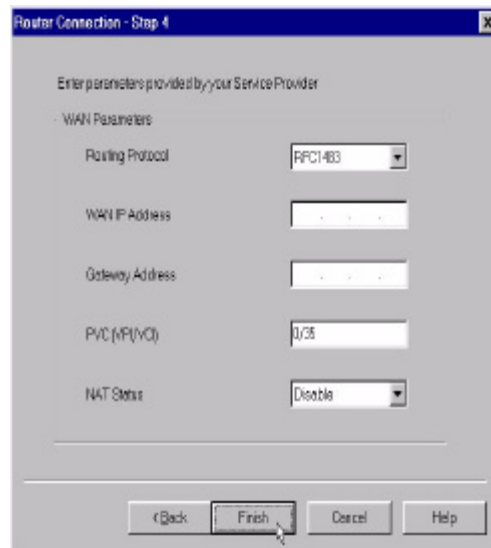
No. of PCs connected to the port: 2

USB Port

LAN IP Address: 0.0.0.0

< Back Next > Cancel Help

- Enter the **LAN IP address** of the SMC7003ADSL.
- Enter the **Number of PCs** connected to that port.
- Click **Next**.



Router Connection - Step 4

Enter parameters provided by your Service Provider

WAN Parameters

Routing Protocol: RFC1483

WAN IP Address: . . .

Gateway Address: . . .

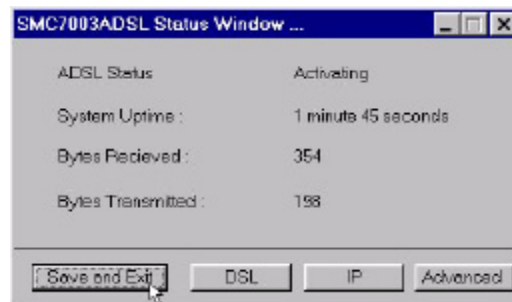
PVC (VP/VCI): 0/35

NAT Status: Disable

< Back Finish > Cancel Help

- Enter the **WAN IP Address** as entered in the work sheet.
- Enter the **Gateway Address**.
- Enter The **vpi/vci** values. (The default vpi/vci values are 0 and 35).
- **Enable** or **Disable** NAT as required.
- Click **Finish**.

Chapter 3 - Configuration



- The SMC7003ADSL Status Window will appear as shown above.
- Select **DSL** or **IP** to view current statistics.
- Or select **Advanced** to make further changes in the configuration.
- Select **Save and Exit** to exit the GUI.



- The Current Configuration Window will appear as shown above.
- Select **Save** to save the current details in a configuration file.
- Or select **OK** to save and exit the GUI without saving the current configuration details in a file for viewing later.

CHAPTER 4 - WARRANTY & SHIPPING INFORMATION

4.1 Customer Service and Technical Support

From USA and Canada (8.30 AM - 8.00 PM Pacific Time)

Toll Free : 1 - 800 - SMC 4 YOU
Tel : (949) 707 2400
Fax : (949) 707 2460

From Europe (8.00 AM - 5.30 PM UK Greenwich Mean Time)

Tel : 44 - 0 - 11 - 89 74 8740
Fax : 44 - 0 - 11 - 89 74 8741

INTERNET

E-Mail Addresses:

techsupport@smc.com
european.techsupport@smc-europe.com

Driver Updates:

http://www.smc.com/smc/pages_html/support.html

World Wide Web:

<http://www.smc.com>

FTP Site:

<ftp://ftp.smc.com>

4.2 SMC's Limited Warranty

Limited Warranty Statement:

SMC Networks, Inc. ("SMC") warrants its products to be free from defects in workmanship and materials, under normal use and service, for the applicable warranty term. All SMC products carry a standard 90-day limited warranty from the date of purchase from SMC or its Authorized Reseller. SMC may, at its own discretion, repair or replace any product not operating as warranted with a similar or functionally equivalent product, during the applicable warranty term. SMC will endeavor to repair or replace any product returned under warranty within 30 days of receipt of the product.

The standard limited warranty can be upgraded to a Limited Lifetime* warranty by registering new products within 30 days of purchase from SMC or its Authorized Reseller. Registration can be accomplished online via the SMC web site. Failure to register will not affect the standard limited warranty. The Limited Lifetime warranty covers a product during the Life of that Product, which is defined as the period of time during which the product is an 'Active' SMC product. A product is considered to be 'Active' while it is listed on the current SMC price list. As new technologies emerge, older technologies become obsolete and SMC will, at its discretion, replace an older product in its product line with one that incorporates these newer technologies. At that point, the obsolete product is discontinued and is no longer an 'Active' SMC product. A list of discontinued products with their respective dates of discontinuance can be found at: http://www.smc.com/smc/pages_html/support.html.

All products that are replaced become the property of SMC. Replacement products may be either new or reconditioned. Any replaced or repaired product carries either a 30-day limited warranty or the remainder of the initial warranty, whichever is longer. SMC is not responsible for any custom software or firmware, configuration information, or memory data of Customer contained in, stored on, or integrated with any products returned to SMC pursuant to any warranty. Products returned to SMC should have any customer-installed accessory or add-on components, such as expansion modules, removed prior to returning the product for replacement. SMC is not responsible for these items if they are returned with the product.

Chapter 4 - Warranty and Shipping Information

Customers must contact SMC for a Return Material Authorization number prior to returning any product to SMC. Proof of purchase may be required. Any product returned to SMC without a valid Return Material Authorization (RMA) number clearly marked on the outside of the package will be returned to customer at customer's expense. For warranty claims within North America, please call our toll-free customer support number at (800) 762-4968. Customers are responsible for all shipping charges from their facility to SMC. SMC is responsible for return shipping charges from SMC to customer.

WARRANTIES EXCLUSIVE:

IF AN SMC PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY SHALL BE REPAIR OR REPLACEMENT OF THE PRODUCT IN QUESTION, AT SMC'S OPTION. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL WARRRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW STATUORY OR OTHERWISE, INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SMC NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE. INSTALLATION, MAINTENANCE OR USE OF ITS PORDUCTS. SMC SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

Chapter 4 - Warranty and Shipping Information

LIMITATION OF LIABILITY:

IN NO EVENT, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), SHALL SMC BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE, LOSS OF BUSINESS, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE OR INTERRUPTION OF ITS PRODUCTS, EVEN IF SMC OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR THE LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE. NOTHING IN THIS WARRANTY SHALL BE TAKEN TO AFFECT YOUR STATUTORY RIGHTS.

* SMC will provide warranty service for one year following discontinuance from the active SMC price list. Under the limited lifetime warranty, internal and external power supplies, fans, and cables are covered by a standard one-year warranty from date of purchase.

APPENDIX A - FCC NOTICE

According to Federal Communications Commission (FCC) Rules regarding radio frequency emissions, the SMC7003ADSL complies with FCC Part 15 for Class B computing devices. The following paragraph is required by the FCC.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with this document, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class B computing device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case, the user, at his own expense, is required to take whatever measures may be necessary to correct the interference.

If this equipment does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Turn the equipment “OFF” and “ON”.
- Reorient or relocate the receiving antenna.
- Increase distance between equipment and receiver.
- Connect the equipment to an outlet on a circuit different from which the receiver is connected.

NOTE

Any changes or modifications not expressly approved by the grantee of this device could void the user’s authority to operate the equipment.

Appendix A - FCC Notice

Meets Canadian D.O.C.

This product conforms with Canadian Class B Emissions Regulations.

Meets Approvals

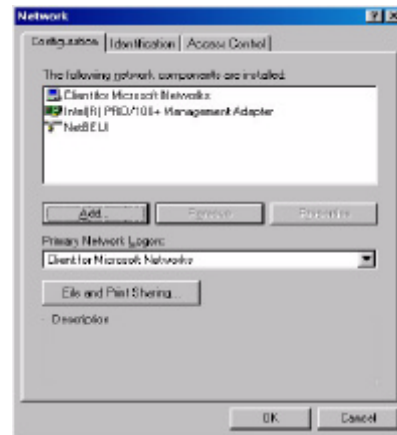
Safety	: FCC Part 68, EN60950, UL 1950, C/UL to CSA 22.2 No.950, TUV, IC CS03
Emissions	: FCC Part 15 Class B, EN55022 / CISPR2 Class B
Immunity	: EN55024

APPENDIX B - INSTALLATION OF TCP/IP PROTOCOL

Before you begin the TCP/IP protocol installation, check if the Ethernet card has been installed inside the PC.

These instructions are based on Windows 95, 98 and Windows Me. For the TCP/IP setup under Windows NT and Windows 2000, please refer to the Windows manual.

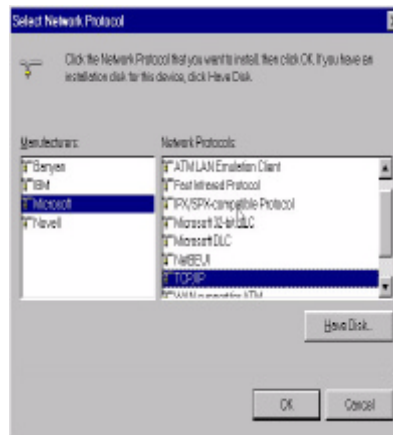
1. Click **Start** on the Task Bar of the PC and select **Settings** and **Control Panel**.
2. Double-click the **Network** icon.
3. Select the **Configuration** tab.
4. Click on **Add**.



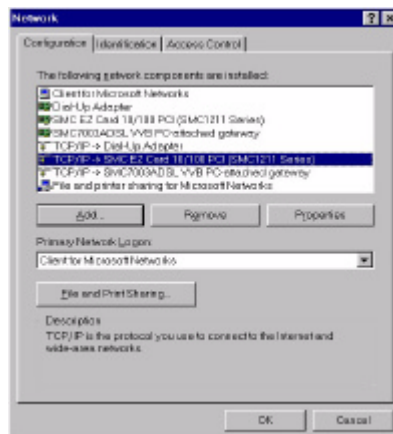
5. Select Network Component Type i.e: **Protocol** and Click **Add**.



Appendix B - Installation of TCP/IP Protocol



6. Select the **Manufacturer's Name** of your Network Card and double-click **TCP/IP** in the list.
7. The PC will return to the **main Network window**. Check if the **TCP/IP Protocol** appears in the list.



8. Click **OK**. Windows may ask for the Windows95/98 CD or the original installation files (i.e.: D:/win95, D:/win98 or c:\windows\options\cabs).
9. Click **OK** and follow instructions to restart the PC.

APPENDIX C - INTERFACE PIN ASSIGNMENTS

Digital Subscriber Line (RJ-11)

✓	<i>Signal Name</i>	<i>Pin</i>
	Tip	3
	Ring	4

Ethernet (RJ-45)

✓	<i>Signal Name</i>	<i>Pin</i>
	RD +	1
	RD -	2
	TD +	3
	TD -	6

PARAMETERS FROM SERVICE PROVIDER

Depending on Service Providers, automatic configuration or the following parameters may be provided by the Service Provider (ISP) for configuring the PC or Router.

Example shown below:

▶ IP Address	10 . 10 . 12 . 102
▶ Subnet Mask Address	255 . 255 . 255 . 0
▶ Gateway Address	10 . 10 . 12 . 1
▶ DNS Server Address	202 . 23 . 3 . 75
▶ Domain Address	10 . 10 . 12 . 40
▶ vci value (default: vci=35)	35
▶ vpi value (default: vpi=0)	0

WORKSHEET

PLEASE HAVE THIS INFORMATION BEFORE YOU PROCEED:

▶ IP Address	___ . ___ . ___ . ___
▶ Subnet Mask Address	___ . ___ . ___ . ___
▶ Gateway Address	___ . ___ . ___ . ___
▶ DNS Server Address	___ . ___ . ___ . ___
▶ Domain Address	___ . ___ . ___ . ___
▶ vci value (default: vci=35)	___
▶ vpi value (default: vpi=0)	___

NOTE: ✓ If vci/vpi values are the same as the default, you do not need to make any changes in the Bridge Mode.